

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** May 10, 2006

**Inspector:** Diana Walden

**Location:** 345kV Underground Route

**Storm/**

**Rain Event:** Between 0.03-0.28" of rain was recorded over 5/9-5/10 as reported by NOAA and based on location.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Vault Openings and Trench Construction	- The vault near Wilton Corporate Park on Rt. 7. was backfilled. 5/10/06	- Restore when feasible. See erosion control section. 5/10/06	-The area was backfilled and cleaned up.
	- Several areas of bare soil were present along Rt. 7 but other construction projects are also ongoing. 2/2-5/10/06	- Continue providing good "house- keeping" along the roadways. Full restoration will be required when work is completed. 2/2-5/10/06	- Restoration is occurring and needs to continue.
	- Excavation is almost complete at School Rd to connect up with the HDD bore. Disturbed soil and some stockpiles remain. The area will be graded soon. 5/10/06	- Further restoration will be necessary after the adjacent work is complete. See additional sections for more details. 4/12-5/10/06	-N/A until work is complete but sediment issues need attention
	- Active work continues adjacent to Old Danbury Road. on Rt. 7 4/19-5/10/06	- See erosion control section for more details. 5/10/06	-N/A
	-The newly constructed drainage channel was in good shape. 5/10/06	- See other sections for more details. 5/10/06	- N/A
	- Vaults were being accessed along Umpawaug Rd. and restoration continues in some areas. 5/4-5/10/06	- See other sections for more details. 5/10/06	-N/A

Areas of Inspection	Observation	Recommended Action	Corrective Action
	<p>-A number of vaults continue to be accessed along other portions of the route for internal work as well. 4/12-5/10/06</p> <p>- Active work had returned to the trench along Archers Lane. 5/10/06</p>	<p>- None at this time. Include these areas as part of the restoration efforts. 4/12-5/10/06</p> <p>- None at this time. 5/10/06</p>	<p>- N/A</p> <p>- N/A</p>
<p>Erosion and Sediment (E&amp;S) Controls</p> <p><b>Route 7</b></p>	<p>- Recent rains and unrelated vehicle access disturbed the straw and seed that had been placed at the high school J&amp;B. 4/26-5/10/06</p> <p>- The stone was removed from the old outlet slope as recommended and the area was stabilized with mulch. Instream controls were also removed. 5/10/06</p> <p>- At the HDD, controls remain fairly well in place, however sediment accumulation remains in the channel beyond the basin. 4/6-5/10/06</p> <p>- Vegetation was affected and soil within the wetland was disturbed from the breakout repair beyond the basin and controls. 2/9-5/10/06 The silt fence remains down in the stream due to the recent rains and more sediment escaped. 4/26-5/10/06</p> <p>-The combination of offsite dewatering and muds from the site led to sediment accumulation in the wetland beyond the check dams and to the east of the basin. 2/16-5/10/06 This increased due to the recent heavy</p>	<p>- Further restoration is needed here, especially since silt fence was removed from the bank. 4/19-5/10/06</p> <p>-None at this time. 5/10/06</p> <p>- Final restoration will occur in the near future as the basin will be graded. The contractor will also be removing sediment by hand shortly. 5/10/06</p> <p>- The disturbed soil will be graded slightly by reaching a bucket over the fence. A wetland seed mix is recommended. 5/10/06</p> <p>-Accumulated sediment will be removed by hand along the length of the silt fence to the extent practicable and the fence will be removed. 5/10/06</p> <p>-The accumulated sediment (over 6" in some areas) will be removed by hand to the extent feasible while attempting to avoid existing wetland vegetation. 5/10/06</p>	<p>-Mulch and seed had been placed but the area still needs attention</p> <p>-The bank was stabilized and instream controls were removed.</p> <p>-Should occur by the next inspection</p> <p>-Plans in place to perform by the next inspection</p> <p>-Plans in place to perform by the next inspection.</p> <p>- Plans in place to perform by the next inspection</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrective Action</b>
Erosion and Sediment (E&S) Controls	rains. 4/26-5/10/06  - Active work and disturbed slopes were present adjacent to Old Danbury Rd. Silt fence was placed along one side of the constructed swale but sedimentation was noted because of the recent rain. Stockpiles were also present. 4/26-5/10/06	- The slopes along the constructed swale will be stabilized with erosion control mats when work is complete. Also consider installing temporary controls along the stockpiles. 5/10/06	- Needs attention if feasible
<b>Route 7 continued</b>	- The vault at Wilton Corp Park was backfilled and the area cleaned up. 5/10/06  - The storage area near #848 (Rt.7) is still highly utilized. 1/4-5/10/06 - Debris was being piled here in the yard. 5/4-5/10/06	-Plan to restore when feasible to reduce presence of disturbed soil. 5/10/06  - Continue to monitor activity in here. Watch placement of project materials and equipment and provide good housekeeping. 5/10/06	- The vault was backfilled.  -N/A
<b>Rt. 107</b>	- Landowner activities here are also directly affecting wetlands, including placing sediment closer to the wetland swales. 3/15-5/10/06  - Ruts from equipment access had been noted in the island at the Rt. 107 & 7 intersection leading to sedimentation near an inlet. 2/2-5/10/06  - At the Georgetown Deli J&B the recent rains washed out an area at the base of the stream bank slope. 4/26-5/10/06  - Two other areas along the stream slope north of the Deli had eroded and slumped although adjacent areas were well stabilized. 5/4-5/10/06	-The sediment placement and landowner activities are outside of project jurisdiction. 4/6-5/10/06 Project controls were repaired where feasible.  - Protect catch basins and restore the island if access is complete. 4/6-5/10/06  -Due to the sandy soils, EC mats will be installed here to promote stabilization. 5/10/06  - The southern area will be stabilized with EC mats and the northern area will be restored with boulders. 5/10/06	-N/A  -Needs attention  - Efforts were being made to acquire mats  - Plans in place to perform by the next inspection

Areas of Inspection	Observation	Recommended Action	Corrective Action
<b>Umpawaug Rd. And Diamond Hill Rd.</b>	<ul style="list-style-type: none"> <li>- Some of the seed had washed out on the streambank to the south as well. 5/10/06</li> <li>- Good residential restoration was noted in a vault area off Rt. 107</li> <li>- The storage yard at the Rt 107 intersection was stabilized with seed and mulch. 5/4-5/10/06</li> <li>- Restoration continued on the roadway shoulders and slopes on Umpawaug Rd. and was largely complete. 5/4-5/10/06</li> </ul>	<ul style="list-style-type: none"> <li>- The area will be re-seeded to promote re-vegetation. 5/10/06</li> <li>- None at this time.</li> <li>- This surface appears to be stable for the time being. 5/10/06</li> <li>- Continue to restore the vault area near #123 when access is complete, and any other remaining areas. 4/26-5/10/06</li> </ul>	<ul style="list-style-type: none"> <li>- Plans in place to perform by the next inspection</li> <li>-Area was restored well.</li> <li>-The area was restored with seed and mulch.</li> <li>-Restoration was almost complete-grass growth continued</li> </ul>
<b>Adjacent Wetlands and Waterways</b>	<ul style="list-style-type: none"> <li>-At the old jack and bore near Wilton HD, the outlet slope was restored and stone removed as recommended. 5/10/06</li> <li>-The breakout described at the HDD resulted in direct access and impact to the wetland beyond the basin in order to contain the muds. 2/9-5/10/06</li> <li>- Wetlands directly to the east and south of the basin have sediment accumulation up to 6" that will require removal. 1/19-5/10/06</li> <li>-The soil surface of the HDD yard appears to be composed of the subsoil layer rather than the original topsoil layer due to the intensive excavation here. 4/12-5/10/06</li> <li>- Some additional bank</li> </ul>	<ul style="list-style-type: none"> <li>-Instream controls were also removed and the area looks good. 5/10/06</li> <li>- The disturbed area will be smoothed out and allowed to revegetate. Wetland seed mix is also being considered. 5/10/06</li> <li>- Sediment buildup should be removed carefully by hand to the extent feasible. 3/9-5/10/06</li> <li>- Restoration will consist of grading out the basin and berm and placing topsoil with a high organic component to promote good re-vegetation. 4/12-5/10/06</li> <li>-Portions of the site will be used for school parking and vegetation will not be restored here.</li> </ul>	<ul style="list-style-type: none"> <li>Instream controls were removed and the bank was restored</li> <li>- Plans in place to perform by the next inspection</li> <li>-Plans in place to perform by the next inspection</li> <li>-Restoration will be occurring shortly</li> </ul>

Areas of Inspection	Observation	Recommended Action	Corrective Action
	stabilization is needed around the Georgetown Deli. 5/10/06	- See EC sections for details. 5/10/06	
Staging, Storage, and Parking Areas	<p>- The equipment storage yard on the property south of the Rt. 7 &amp; 107 intersection was mostly contained. 1/26-5/10/06</p> <p>- Disturbance is mostly due to landowner activities. 3/15-5/10/06</p> <p>- Debris was being piled here as well. 5/4-5/10/06</p> <p>- The small storage area along Rt 7 across from Old Highway Rd is still in use 5/10/06</p> <p>- The racquet club storage yard appears to be under clean-up. 5/10/06</p> <p>- Frac tanks and equipment were stored at the HDD. The asphalt spoil from each night is placed here but removed shortly. 5/4-5/10/06</p>	<p>- In general, materials should be placed appropriately in storage areas or immediately adjacent to work each night. No potentially spillable materials should be left behind. Equipment should not be placed near resource areas. 3/9-5/10/06</p> <p>- Remove when feasible. 5/4-5/10/06</p> <p>- The area is fairly well contained. Continue good housekeeping here. 5/4-5/10/06</p> <p>- Install haybales at the culvert within the swale if necessary. 2/2-5/10/06</p> <p>- Remember to remove all asphalt upon restoration of the area. 4/26-5/4-5/10/06</p>	<p>-N/A</p> <p>-N/A</p> <p>- The yard is being straightened up</p> <p>-N/A</p>
Soils	- Most soils on roadways on the project route are being trucked to a waste facility in Danbury for storage and eventual disposal. Soils off roadway can be returned to the trench.	<p>- Soils appear to be handled appropriately. 5/10/06</p> <p>- Continue to make sure stockpiles are backfilled to the trench by the end of each day. 2/2-5/10/06</p>	N/A at this time
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-A number of bare soil areas remain along Rt 7 where restoration efforts should continue. 3/29-5/10/06	<p>-Other utility projects are ongoing as well making it difficult to coordinate efforts. 3/29-5/10/06.</p> <p>-Repair erosion in these</p>	Restoration efforts were noted. Continue to provide.

Areas of Inspection	Observation	Recommended Action	Corrective Action
	<p>- Some erosion was noted in previously restored areas such as near Scribner Hill Rd. 1/4-5/10/06</p> <p>-Restoration efforts are largely complete along Umpawaug Rd. 5/10/06</p> <p>-It may be difficult to promote vegetative growth at the HDD, Wilton HS, and portions of the Georgetown Deli due to the sandy soil surface following excavation. 4/26-5/10/06</p>	<p>areas now that the growing season is here. 1/4-5/10/06</p> <p>-Continue to restore where necessary. Grass is starting to grow in many areas. 5/10/06</p> <p>-Areas should be placed either with topsoil or EC mats for full stabilization. 5/10/06</p>	<p>-Restoration is ongoing</p> <p>- Plans in place to perform most of this by the next inspection</p>
Dewatering	-Ground water has been an issue within the School Rd site excavations. Frac tanks are present here for dewatering. 5/10/06	- Frac tanks are a good option to prevent further sedimentation. 4/12-5/10/06	-N/A
Blasting	- No blasting is occurring on site at this time.	- None at this time.	N/A
Spills and Material Storage	- In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 5/10/06	<p>- The contractors should remain vigilant about securing and handling fuel containers.</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid</p>	-N/A
		<p>leaks) if they will be used or stored on site. - Check equipment status on a regular basis and keep spill kits on hand.</p> <p>- Report spills immediately, even if they are being controlled.</p>	
Additional Observations			

**Next likely scheduled inspection:**

Wednesday May 17, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the

best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:** Diana Walden





**345kV (Archers Lane, Umpawaug Rd) Photo on the left shows active work returning along the AL access drive. Photo on the right shows work along Umpawaug Rd. internal to the vaults and trench.  
5/10/06**



**(Georgetown Deli): Photo on the left shows where a section of bank is eroding north of the plaza driveway. Rocks will be placed here in an effort to stabilize. Photo on the right shows where the recent rains had caused a washout along the stream bank. Soils here are too sandy for quick vegetative growth so mats will be installed. 5/10/06**





Photo on the left shows where stone from the old basin outlet was removed and the bank of the stream was restored. Photo on the right shows where the old instream controls were removed.  
5/10/06



Photo on the left shows the accumulated sediment in the wetland beyond the basin. Crews will be removing sediment deposits carefully by hand. Photo on the right shows the area of sediment accumulation east of the basin. Crews will also be working here to remove sediment. 5/10/06





Photo on the left shows an area of active work near Old Danbury Rd. Photo on the right shows the recently constructed swale. Adjacent bare slopes had caused some sedimentation to the swale. Stockpiles should also be stabilized temporarily. 5/10/06



Photo on the left shows good restoration efforts along the bank near the HDD exit point. Some additional restoration will be needed right at the exit point. Photo on the right shows where the open vault near the Wilton Corp. Park was backfilled. 5/10/06